**How to convert seconds to hours!**

Q: When would I use this?

A: When velocity is in mph and time is in seconds

Time (hours)

**=**

**60 minutes/hour**

Time (seconds)

**÷**

**÷**

**60 seconds/min**

Q: What do I do with this number?

A: Plug it into your acceleration equation: ex: what is the acceleration of a car going from 0-60 mph in 10 seconds?

10 seconds ÷ 60 seconds/min ÷ 60 min/hour = 0.002778 hours

**THEN… a = Vf-Vi/T = 60 mph/0.002778 hr = 21,600 mi/hr2**

**How to convert seconds to hours!**

Q: When would I use this?

A: When velocity is in mph and time is in seconds

Time (hours)

**=**

**60 minutes/hour**

Time (seconds)

**÷**

**÷**

**60 seconds/min**

Q: What do I do with this number?

A: Plug it into your acceleration equation: ex: what is the acceleration of a car going from 0-60 mph in 10 seconds?

10 seconds ÷ 60 seconds/min ÷ 60 min/hour = 0.002778 hours

**THEN… a = Vf-Vi/T = 60 mph/0.002778 hr = 21,600 mi/hr2**